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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/666,982	09/19/2003	Tzvi Avnery	2251.2002-009	8622	
21005 7590 07/02/2007 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. 530 VIRGINIA ROAD P.O. BOX 9133 CONCORD, MA 01742-9133			EXAMINER		
			MAYEKAR, KISHOR		
			ART UNIT	PAPER NUMBER	
			1753		
	•		MAIL DATE	DELIVERY MODE	
			07/02/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)	_			
		Application No.					
·		10/666,982	AVNERY, TZVI				
	Office Action Summary	Examiner	Art Unit				
		Kishor Mayekar	1753				
Period fo	The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address				
		/ IC CET TO EXPIDE A MONTH	C) OR THIRTY (20) DAVO				
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAnsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Depend for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
1) 又	Responsive to communication(s) filed on 10 Ap	oril 2007.					
2a)□	·	action is non-final.					
3)□							
•	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Dispositi	on of Claims	,					
· · · _	Claim(s) <u>1-23</u> is/are pending in the application.	,					
•	4a) Of the above claim(s) <u>6-23</u> is/are withdrawn from consideration.						
	5) Claim(s) is/are allowed.						
'	6) Claim(s) 1-5 is/are rejected.						
· · · · · · · · · · · · · · · · · · ·	Claim(s) is/are objected to.						
8)□	Claim(s) are subject to restriction and/or	r election requirement.					
Applicati	on Papers	•					
·· _	The specification is objected to by the Examine	r					
• —	The drawing(s) filed on is/are: a) acce		- Examiner				
,	Applicant may not request that any objection to the						
	Replacement drawing sheet(s) including the correcti	*	• •				
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority u	ınder 35 Ü.S.C. § 119	•					
	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f)				
-	☐ All b)☐ Some * c)☐ None of:	p	(5) 5. (7).				
•	1. Certified copies of the priority documents	s have been received.					
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the prior	ity documents have been receive	d in this National Stage				
	application from the International Bureau	(PCT Rule 17.2(a)).					
* S	see the attached detailed Office action for a list of	of the certified copies not receive	d.				
	•						
Attachmen							
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	. 4) Interview Summary Paper No(s)/Mail Da					
3) 🔯 Inform	nation Disclosure Statement(s) (PTO/SB/08)	5) 🔲 Notice of Informal Pa					
	No(s)/Mail Date <u>09/03</u> .	6)					

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DETAILED ACTION

Election/Restrictions

1. Applicant's election of invention Of Group I, claims 1-5 in the reply filed on 10 April 2007 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Objections

2. Claim 5 is objected to because of the following informalities: the recitation "VOCs" needs to be replaced as --volatile organic compounds (VOCs)-- to clearly define the subject matter. Appropriate correction is required.

Claim Rejections - 35 USC \$ 102 and \$ 103

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

⁽b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Izutsu et al. (US 6,179,968 B1) in view of either Patrick et al. (US 4,396,580) or Ito et al. (5,015,443). Izutsu's invention is directed to an apparatus for treating gas by irradiation of electron beam. Izutsu discloses that the apparatus comprises the recited duct and an electron beam emitter provided at the duct for irradiating the gas with electron beam (Figs. 1, 2 and 5). The differences between Izutsu and the above claims are the provision of the recited second electron beam emitter and the detail of the recited window. Patrick teaches in an apparatus for treating of gas by irradiation of electron beam both the limitations (Fig. 4). Ito teaches in an apparatus for treating waste gas by irradiation with electron beam both the limitations (Fig. 1 and col. 1, lines 17-59). The subject matter as a whole would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Izutsu's teachings as shown by either Patrick or Ito because this would increase the efficiency of the treatment of the gas due to the exposure to or the absorption of the electron beams by the gas.

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6. Claims 4 and 5 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Schonberg et al. (US 5,523,577). See Figs. 1, 2, 3a and 3b and paragraph crossing cols. 9 and 10.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kishor Mayekar whose telephone number is (571) 272-1339. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kishor Mayekar Primary Examiner Art Unit 1753